

CRF Errors Corrected by the STIC Systems Branch

Per 109  
6/17/2002  
STIC staff

Serial Number: 09/673,274

CRF Processing Date:

Edited by:

Verified by:

(STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

P4709



## RAW SEQUENCE LISTING

DATE: 06/17/2002

PATENT APPLICATION: US/09/673,274

TIME: 19:40:18

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\06172002\I673274.raw

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4 <110> APPLICANT: LAMBERTY, MIREILLE
5      BULET, PHILLIPE
6      BROOKHART, GARY
7      HOFFMAN, JULES
9 <120> TITLE OF INVENTION: GENE CODING FOR HELIOMICINE, AND USE
10     THEREOF
12 <130> FILE REFERENCE: A33595-PCT-USA
14 <140> CURRENT APPLICATION NUMBER: 09/673,274
15 <141> CURRENT FILING DATE: 1999-04-12
17 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00843
18 <151> PRIOR FILING DATE: 1999-04-12
20 <150> PRIOR APPLICATION NUMBER: FR 98 04933
21 <151> PRIOR FILING DATE: 1998-04-15
23 <160> NUMBER OF SEQ ID NOS: 38
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 147
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
36 <400> SEQUENCE: 1
37 agcttgata aaagagacaa gttgattggc agctgtgttt ggggcgccgt caactacact 60
38 agtgactgca acggcgagtg caagcgccgc ggttacaagg gtggccattg tggatccttc 120
39 gctaacgtta actgttggtg tgaaacc                                147
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 169
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
50 <400> SEQUENCE: 2
51 gataagctta tcggttcctg cgtgtggggt gctgtgaact acacttccga ttgcaacggt 60
52 gagtgcaaga ggaggggtta caagggtggt cactgcggtt ctttcgctaa cgtgaactgc 120
53 tggatcgaga cttgagagct cggcgaggcg aacgtgtcga cggatccg          169
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 261
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
64 <400> SEQUENCE: 3
65 ccattgggtt cgtgcttttc tctcagcttc catctttcct tcttgtgtct actcttcttc 60

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/673,274

DATE: 06/17/2002  
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Input Set : A:\PTO.AMC.txt  
 Output Set: N:\CRF3\06172002\I673274.raw

```

66 ttttccttgt gatctctcac tcttgccgtg ccgataagct tctcggttcc tgcgtgtggg 120
67 gtgctgtgaa ctacacttcc gattgcaacg gtgagtgcaa gaggaggggt tacaaggggtg 180
68 gtcactgcgg ttccttcgct aacgtgaact gctgggtgcga gacttgagag ctcggcgagg 240
69 cgaacgtgtc gacggatccg g 261
71 <210> SEQ ID NO: 4
72 <211> LENGTH: 120
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
80 <400> SEQUENCE: 4
81 gcgtcgacgc gatgggtttc gtgcttttct ctcagcttcc atctttcctt cttgtgtcta 60
82 ctcttttctt tttccttgtg atctctcact cttgccgtgc tggagacgcg aattcacaca 120
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 75
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
94 <400> SEQUENCE: 5
95 gcgtcgacgc gatgggtttc gtgcttttct ctcagcttcc atctttcctt cttgtgtcta 60
96 ctcttttctt tttcc 75
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 72
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
107 <400> SEQUENCE: 6
108 tcgccggcac ggcaagagta agagatcaca aggaaaagaa gaagagtaga cacaagaagg 60
109 aaagatggaa gc 72
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 80
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
120 <400> SEQUENCE: 7
121 gataagctta tcggttctctg cgtgtgggggt gctgtgaact acacttccga ttgcaacggg 60
122 gagtgaaga ggaggggtta 80
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 109
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
133 <400> SEQUENCE: 8
134 ccggatccgt cgacacgttc gcctcgccga gctctcaagt ctcgcaccag cagttcacgt 60
135 tagcgaagga accgcagtga ccaccttgt aaccctcct cttgcactc 109

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/673,274

DATE: 06/17/2002  
TIME: 19:40:18

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\06172002\I673274.raw

137 <210> SEQ ID NO: 9  
138 <211> LENGTH: 85  
139 <212> TYPE: DNA  
140 <213> ORGANISM: Artificial Sequence  
142 <220> FEATURE:  
143 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE  
146 <400> SEQUENCE: 9  
147 agggccccct agggtttaaa cggccagtca ggccgaattc gagctcggtta cccggggatc 60  
148 ctctagagtc gacctgcagg catgc 85  
150 <210> SEQ ID NO: 10  
151 <211> LENGTH: 66  
152 <212> TYPE: DNA  
153 <213> ORGANISM: Artificial Sequence  
155 <220> FEATURE:  
156 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE  
159 <400> SEQUENCE: 10  
160 ccctgaacca ggctcgaggg cgcgccttaa ttaaaagctt gcatgcctgc aggtcgactc 60  
161 tagagg 66  
163 <210> SEQ ID NO: 11  
164 <211> LENGTH: 93  
165 <212> TYPE: DNA  
166 <213> ORGANISM: Artificial Sequence  
168 <220> FEATURE:  
169 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE  
172 <400> SEQUENCE: 11  
173 ccggccagtc aggccacact taattaagtt taaacgcggc cccgggcgcgc ctaggtgtgt 60  
174 gctcgagggc ccaacctcag tacctgggtc agg 93  
176 <210> SEQ ID NO: 12  
177 <211> LENGTH: 93  
178 <212> TYPE: DNA  
179 <213> ORGANISM: Artificial Sequence  
181 <220> FEATURE:  
182 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE  
185 <400> SEQUENCE: 12  
186 ccggcctgaa ccaggtactg aggttgggccc ctgcagcaca cacctaggcg cgccggggccc 60  
187 gcgtttaaac ttaattaagt gtggcctgac tgg 93  
189 <210> SEQ ID NO: 13  
190 <211> LENGTH: 50  
191 <212> TYPE: DNA  
192 <213> ORGANISM: Artificial Sequence  
194 <220> FEATURE:  
195 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE  
198 <400> SEQUENCE: 13  
199 ggtctagaat ggcctgcacc aacaacgcc ttagggccct ctctctctc 50  
201 <210> SEQ ID NO: 14  
202 <211> LENGTH: 50  
203 <212> TYPE: DNA  
204 <213> ORGANISM: Artificial Sequence  
206 <220> FEATURE:

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/673,274

DATE: 06/17/2002  
TIME: 19:40:18

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\06172002\I673274.raw

```

207 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
210 <400> SEQUENCE: 14
211 ccgaattcgg cgccgtgcac gatgcagaag agcacgagga ggaagagggc 50
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 81
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
222 <400> SEQUENCE: 15
223 tctagaatgg cctgcaccaa caacgccatg agggccctct tcctcctcct gctcttctgc 60
224 atcgtgcacg gcgccgaatt c 81
226 <210> SEQ ID NO: 16
227 <211> LENGTH: 24
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
235 <400> SEQUENCE: 16
236 gataagctta tcggttcctg cgtg 24
238 <210> SEQ ID NO: 17
239 <211> LENGTH: 32
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
247 <400> SEQUENCE: 17
248 ggctcgagtc aagtctcgca ccagcagttc ac 32
250 <210> SEQ ID NO: 18
251 <211> LENGTH: 213
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
259 <400> SEQUENCE: 18
260 tctagaatgg cctgcaccaa caacgccatg agggccctct tcctcctcct gctcttctgc 60
261 atcgtgcacg gcgataagct tatcggttcc tgcgtgtggg gtgctgtgaa ctacacttcc 120
262 gattgcaacg gtgagtgcaa gaggaggggt tacaaggggtg gtcactgcgg ttccttcgct 180
263 aacgtgaact gctgggtgca gacttgactc gag 213
265 <210> SEQ ID NO: 19
266 <211> LENGTH: 838
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
W--> 274 <221> NAME/KEY: promoter
275 <222> LOCATION: (7)...(532)
W--> 277 <221> misc_structure
278 <222> LOCATION: (533)...(568)

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/673,274

DATE: 06/17/2002

TIME: 19:40:18

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\06172002\I673274.raw

W--&gt; 280 &lt;221&gt; terminator

281 &lt;222&gt; LOCATION: (569)...(832)

W--&gt; 283 &lt;400&gt; 19

```

284 aagcttccag aaggttaatta tccaagatgt agcatcaaga atccaatggt tacgggaaaa 60
285 actatggaag tattatgtga gctcagcaag aagcagatca atatgcgga catatgcaac 120
286 ctatgttcaa aaatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
287 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaattctga agacgtaagc 240
288 actgacgaca acaatgaaaa gaagaagata aggtcgggtga ttgtgaaaga gacatagagg 300
289 acacatgtaa ggtggaaaaat gtaagggcgg aaagtaacct tatcaciaag gaattcttctc 360
290 cccactact tatcctttta ttttttccg tgtcattttt gcccttgagt tttcctatat 420
291 aaggaaccaa gtccggcatt tgtgaaaaca agaaaaaatt tgggtgtaagc ttttttcttt 480
292 gaagtactga ggatacaact tcagagaaat ttgtaagttt gtagatctcg attctagaag 540
293 gcctgaattc gagctcggta ccggatccaa ttcccgatcg ttcaaacatt tggcaataaa 600
294 gtttcttaag attgaatcct gttgccggtc ttgcgatgat tatcatataa tttctgttga 660
295 attacgttaa gcatgtaata attaacatgt aatgcgatgac gttatttatg agatggggtt 720
296 ttatgattag agtcccgcaa ttatacattt aatacgcgat agaaaacaaa atatacgcg 780
297 caaactagga taaattatcg cgcgcgggtgt catctatggt actagatcgg ggaatcgat 838

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299 &lt;210&gt; SEQ ID NO: 20

300 &lt;211&gt; LENGTH: 1036

301 &lt;212&gt; TYPE: DNA

302 &lt;213&gt; ORGANISM: Artificial Sequence

304 &lt;220&gt; FEATURE:

305 &lt;223&gt; OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE

W--&gt; 308 &lt;221&gt; NAME/KEY: promoter

309 &lt;222&gt; LOCATION: (7)...(532)

W--&gt; 311 &lt;221&gt; CDS

312 &lt;222&gt; LOCATION: (539)...(736)

W--&gt; 314 &lt;221&gt; terminator

315 &lt;222&gt; LOCATION: (767)...(1030)

W--&gt; 317 &lt;400&gt; 20

```

318 aagcttccag aaggttaatta tccaagatgt agcatcaaga atccaatggt tacgggaaaa 60
319 actatggaag tattatgtga gctcagcaag aagcagatca atatgcgga catatgcaac 120
320 ctatgttcaa aaatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
321 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaattctga agacgtaagc 240
322 actgacgaca acaatgaaaa gaagaagata aggtcgggtga ttgtgaaaga gacatagagg 300
323 acacatgtaa ggtggaaaaat gtaagggcgg aaagtaacct tatcaciaag gaattcttctc 360
324 cccactact tatcctttta ttttttccg tgtcattttt gcccttgagt tttcctatat 420
325 aaggaaccaa gtccggcatt tgtgaaaaca agaaaaaatt tgggtgtaagc ttttttcttt 480
326 gaagtactga ggatacaact tcagagaaat ttgtaagttt gtagatctcg attctaga 538
327 atg gcc tgc acc aac aac gcc atg agg gcc ctc ttc ctc ctc gtg ctc 586
328 Met Ala Cys Thr Asn Asn Ala Met Arg Ala Leu Phe Leu Leu Val Leu
329 1 5 10 15
331 ttc tgc atc gtg cac ggc gat aag ctt atc ggt tcc tgc gtg tgg ggt 634
332 Phe Cys Ile Val His Gly Asp Lys Leu Ile Gly Ser Cys Val Trp Gly
333 20 25 30
335 gct gtg aac tac act tcc gat tgc aac ggt gag tgc aag agg agg ggt 682
336 Ala Val Asn Tyr Thr Ser Asp Cys Asn Gly Glu Cys Lys Arg Arg Gly
337 35 40 45
339 tac aag ggt ggt cac tgc ggt tcc ttc gct aac gtg aac tgc tgg tgc 730

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PCT09

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/673,274

DATE: 06/05/2002

TIME: 17:08:44

Input Set : A:\A33595-PCT-USA sequence listing.txt

Output Set: N:\CRF3\06052002\I673274.raw

Does Not Comply  
Corrected Diskette Needed

4 <110> APPLICANT: LAMBERTY, MIREILLE  
 5 BULET, PHILLIPE  
 6 BROOKHART, GARY  
 7 HOFFMAN, JULES  
 9 <120> TITLE OF INVENTION: GENE CODING FOR HELIOMICINE, AND USE  
 10 THEREOF  
 12 <130> FILE REFERENCE: A33595-PCT-USA  
 14 <140> CURRENT APPLICATION NUMBER: 09/673,274  
 C--> 15 <141> CURRENT FILING DATE: 2001-12-18  
 17 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00843  
 18 <151> PRIOR FILING DATE: 1999-04-12  
 20 <150> PRIOR APPLICATION NUMBER: FR 98 04933  
 21 <151> PRIOR FILING DATE: 1998-04-15  
 23 <160> NUMBER OF SEQ ID NOS: 38  
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

557 <210> SEQ ID NO: 38  
 558 <211> LENGTH: 26  
 559 <212> TYPE: DNA  
 560 <213> ORGANISM: Artificial Sequence  
 562 <220> FEATURE:  
 563 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE  
 566 <400> SEQUENCE: 38  
 567 gcaacaagca ctcagcagcg cagtca  
 E--> 574 ny02:356866.1 *delete*

26

VARIABLE LOCATION SUMMARY

DATE: 06/05/2002

PATENT APPLICATION: US/09/673,274

TIME: 17:08:45

Input Set : A:\A33595-PCT-USA sequence listing.txt

Output Set: N:\CRF3\06052002\I673274.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:38; N Pos. 27